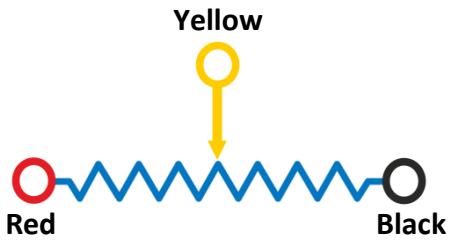
# WIRE POTENTIOMETERS
"High strength stainless steel wire"

# AWP 220

- Measurement length 1000 mm to 4800 mm
- 0,8 mm stainless steel wire diameter
- Maximum 42V Power Supply
- High strength stainless steel wire
- Potentiometric Measuring
  Or 0-10 VDC Analog Output
  Or 4-20 mA Current Output
- 0,5 m/s maximum speed
- Shock/Vibration resistant

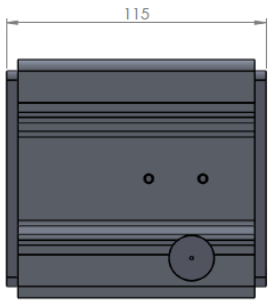
The AWP series are wire potentiometric position transducers that turn a linear motion into a resistance variation. They are made of a precision rotating potentiometer operated by a, winding or unwinding, stainless steel wire. Optionally other stroke lengths, cable length and socket connector can be requested.

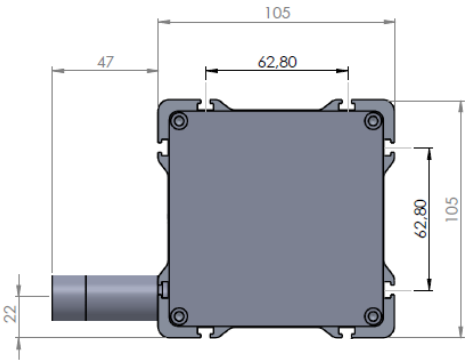



## TECHNICAL SPECIFICATIONS

| | |
|---|---|
| **Power Supply** | Max. 42 V |
| **Stroke Length (mm)** | 1000, 2000, 3000, 4000, 4800<br>(Please ask us for other) |
| **Maximum Speed** | 0,5 m/s |
| **Resistance** | 5KΩ (Optional Other) |
| **Output** | Potentiometric<br>Or 0-10 VDC Analog Output<br>Or 4-20 mA Current Output<br>(Please ask us for other) |
| **Linearity** | ± %0,25 |
| **Process Temperature** | - 25 to +85 °C |
| **Relative Humidity** | %10 to %90 |
| **Weight** | 1000 grams |

## MECHANICAL DIMENSIONS




## PRODUCT CODING

**Model**
AWP 220

**Resistance**
**5K** : 5KΩ
(Please ask us for other)

**Output Signals**
**No Code :** Potentiometric
**V** : 0-10 VDC Analog Voltage
**A** : 4-20 mA Analog Current

| AWP220 | - | XXX | - | 5K | - | 3M | - | X |
|---|---|---|---|---|---|---|---|---|

**Stroke Length**
See Stroke Length*

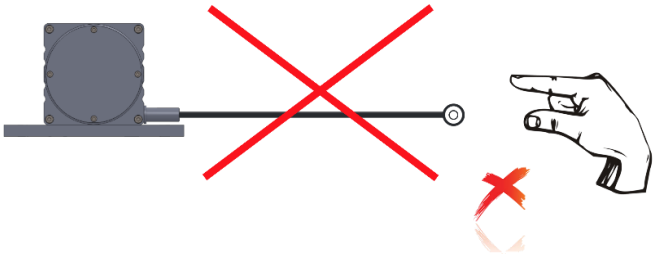
**Cable Length**
3M : 3M (standard)
5M : 5M
10M : 10M
S16 : M16 Socket Connector
S23 : M23 Socket Connector

*Please ask us for other cable lengths and socket connectors

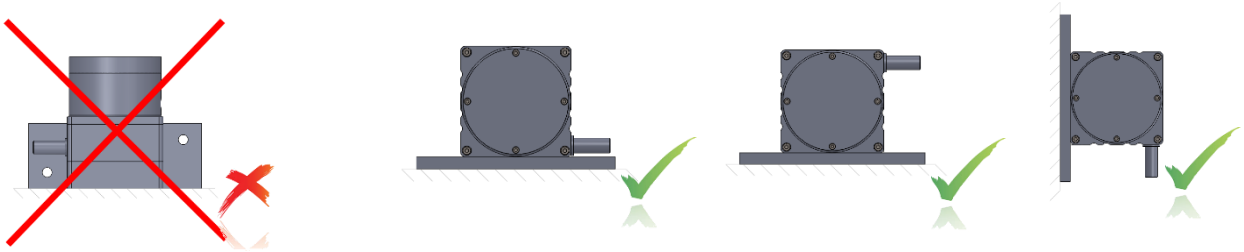
*Stroke Length (mm):
1000, 2000, 3000, 4000, 4800 (Please ask us for other lengths)

## MOUNTING - WARNINGS

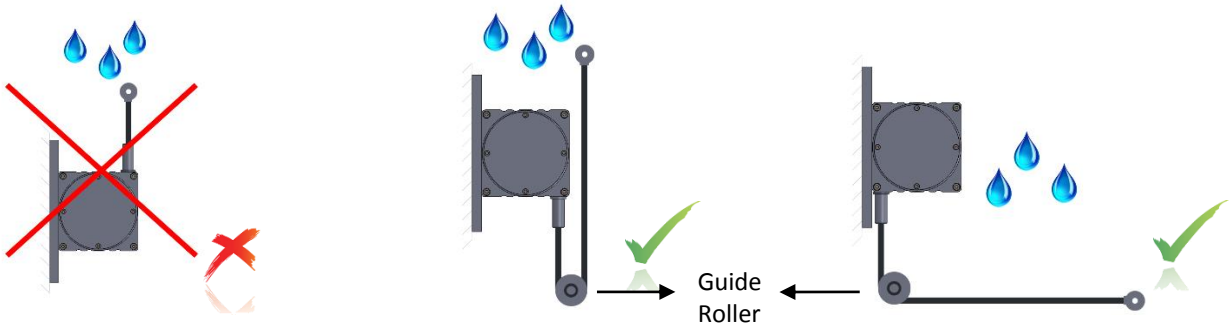
1. **Do not release the wire suddenly, after pulling.**



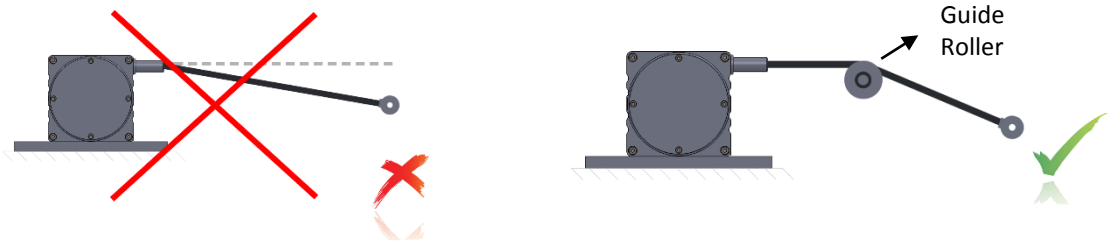
2. **The wire encoder must be mounted vertically in position, not be horizontally.**



3. **If there is a trickle of water (like a rain), the wire outlet must not be a drip of water upstream. If needed please use guide rollers.**




4. **The wire should not be pulled in angular. If needed, please use guide rollers.**




**Failure to comply with these recommendations, the malfunctions that may occur will not be under the warranty.**

**Atek Sensor Technology A.S.**

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